

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142901.D
 Acq On : 27 Jun 2025 19:10
 Operator : RC/JU
 Sample : Q2420-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933

Quant Time: Jun 27 22:40:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

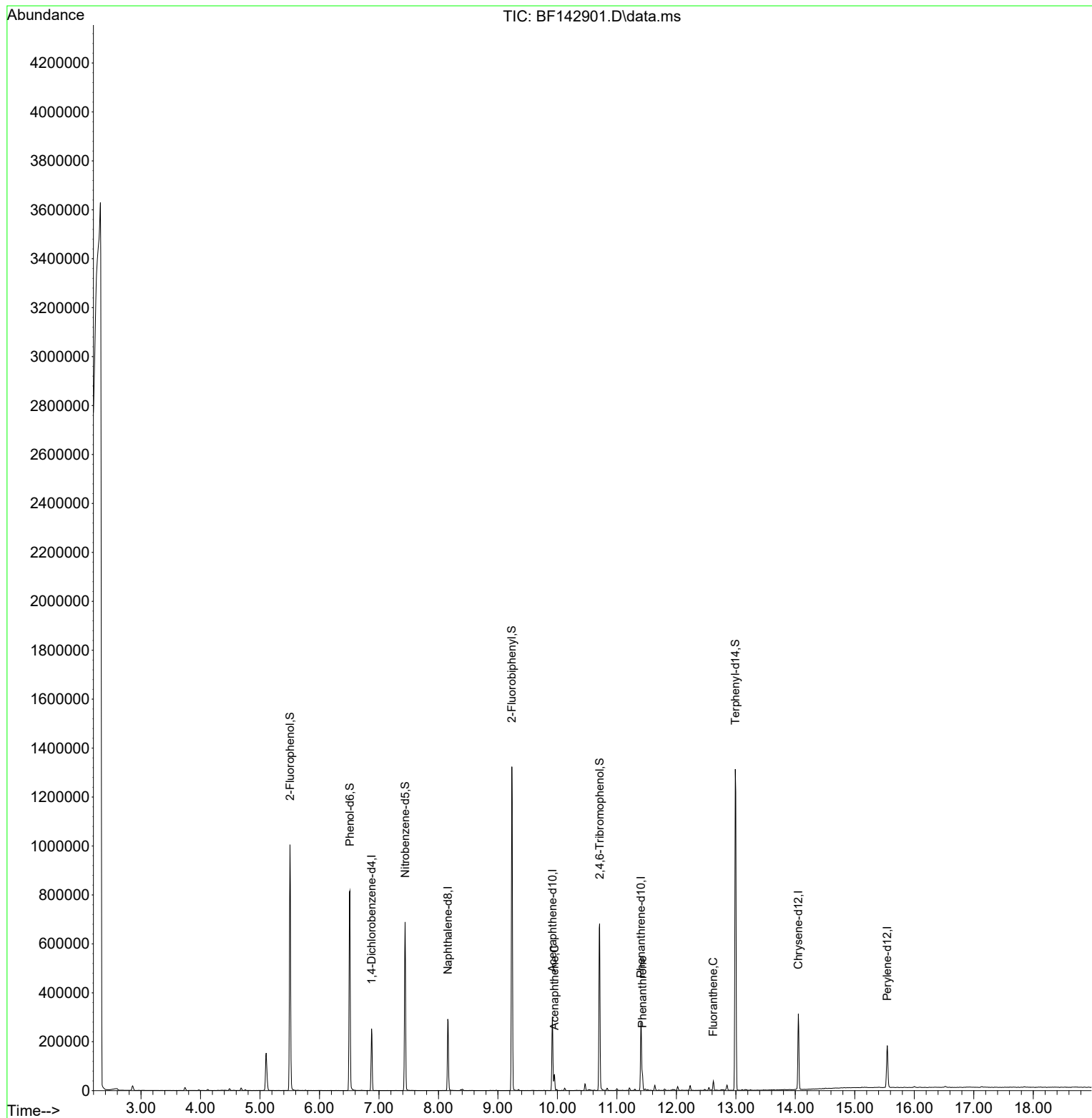
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	56236	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	196491	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	89932	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	147476	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149469	20.000	ng	0.00
86) Perylene-d12	15.545	264	103761	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	386448	114.412	ng	0.01
7) Phenol-d6	6.510	99	390633	98.025	ng	0.00
23) Nitrobenzene-d5	7.439	82	290911	81.208	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	121600	131.394	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	592366	86.529	ng	-0.01
79) Terphenyl-d14	12.992	244	649160	60.009	ng	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	9.951	154	21778	4.067	ng	99
71) Phenanthrene	11.427	178	37350	4.675	ng	98
75) Fluoranthene	12.621	202	22066	2.910	ng	99

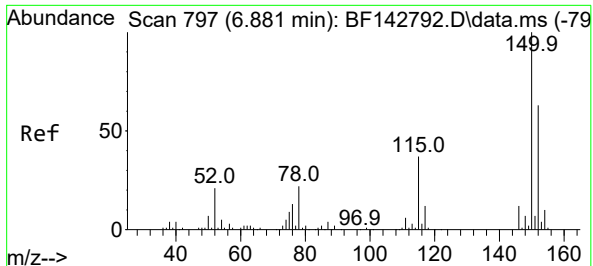
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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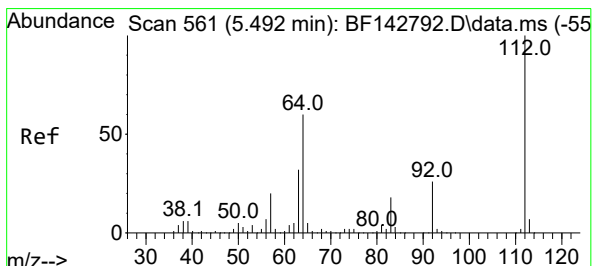
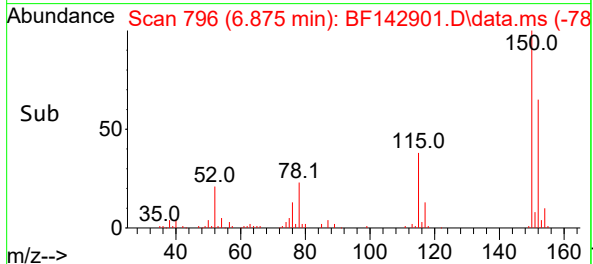
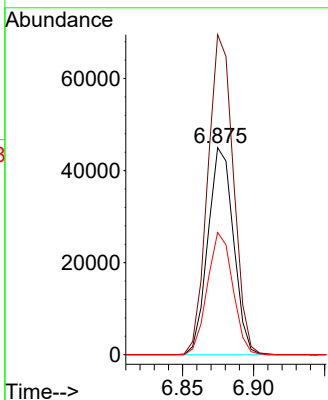
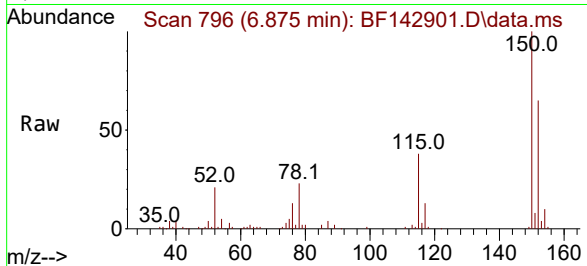




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

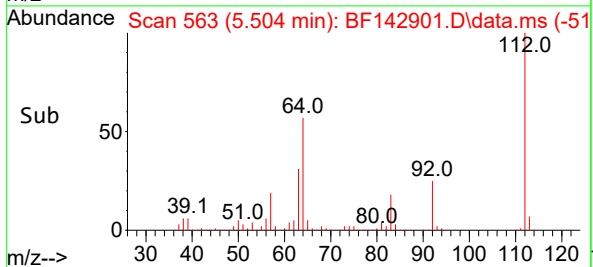
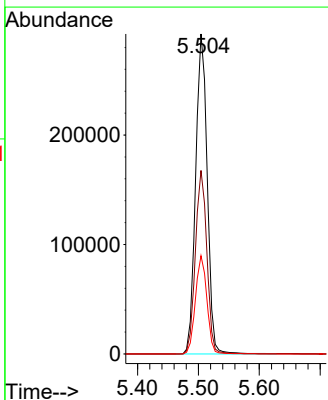
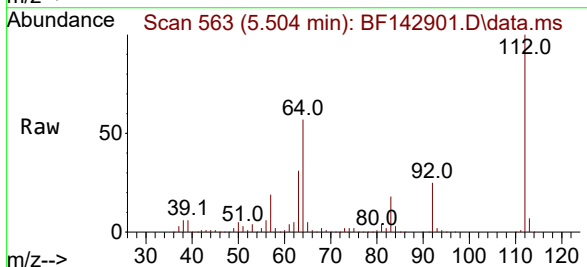
Instrument :
BNA_F
ClientSampleId :
72-11933

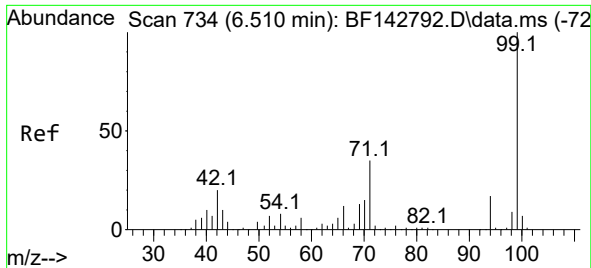
Tgt Ion:152 Resp: 56236
Ion Ratio Lower Upper
152 100
150 154.6 127.2 190.8
115 59.1 46.6 69.8



#5
2-Fluorophenol
Concen: 114.412 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Tgt Ion:112 Resp: 386448
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.7 25.7 38.5

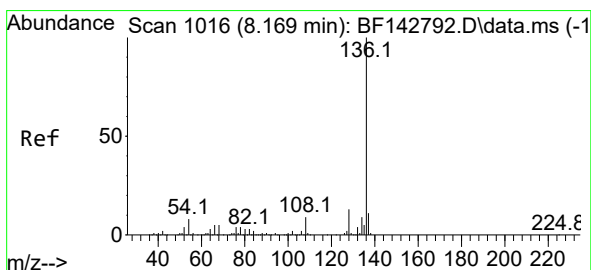
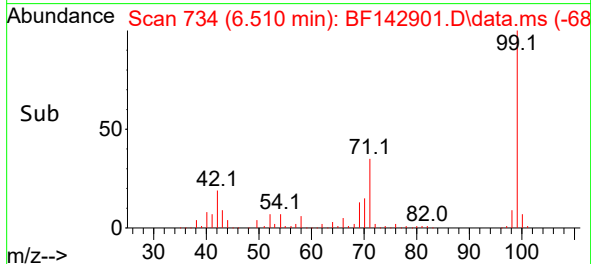
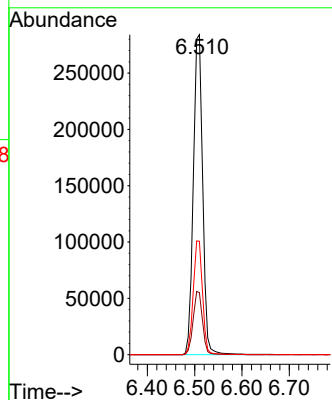
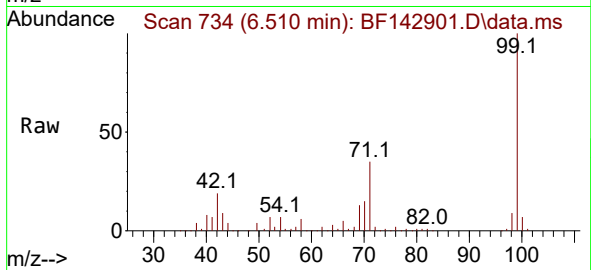




#7
Phenol-d6
Concen: 98.025 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

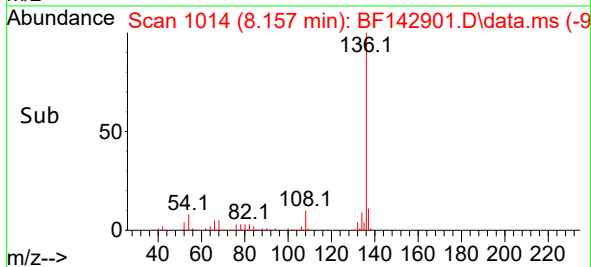
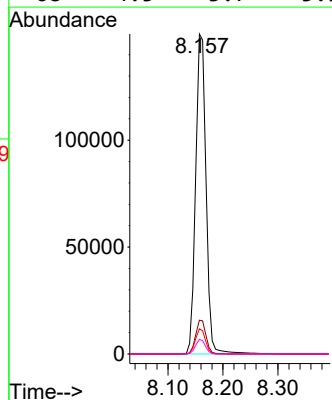
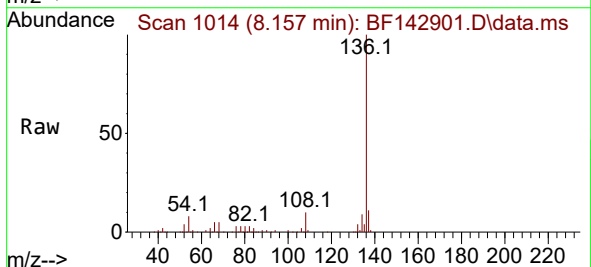
Instrument :
BNA_F
ClientSampleId :
72-11933

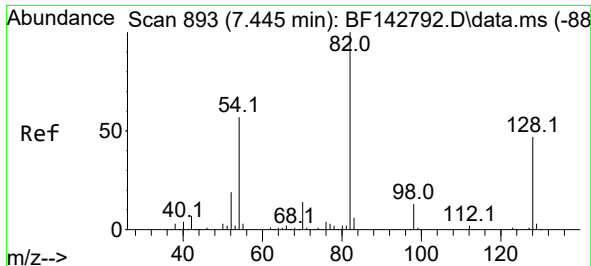
Tgt Ion: 99 Resp: 390633
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Tgt Ion: 136 Resp: 196491
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.9 6.3 9.5
68 4.5 3.7 5.5

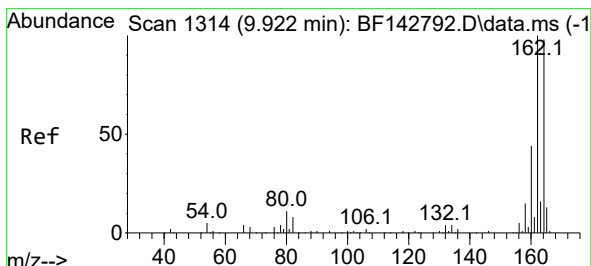
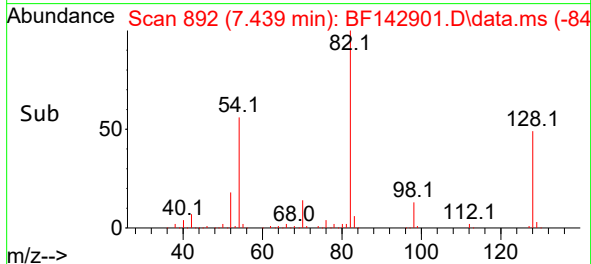
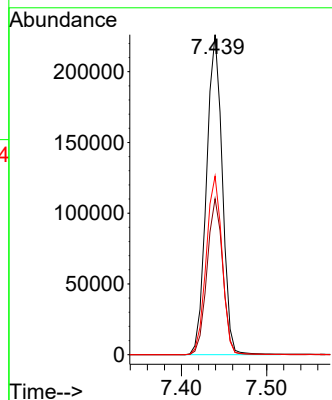
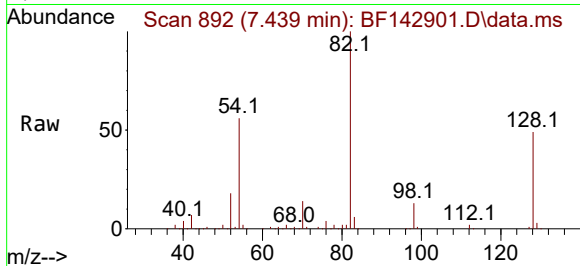




#23
 Nitrobenzene-d5
 Concen: 81.208 ng
 RT: 7.439 min Scan# 89
 Delta R.T. -0.006 min
 Lab File: BF142901.D
 Acq: 27 Jun 2025 19:10

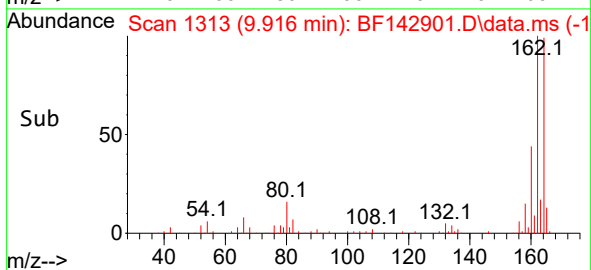
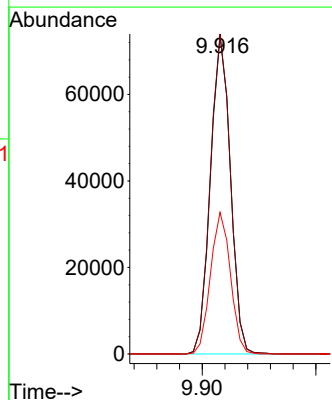
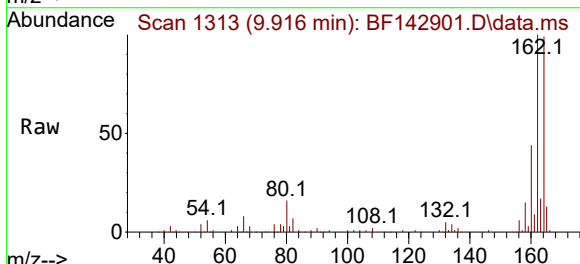
Instrument :
 BNA_F
 ClientSampleId :
 72-11933

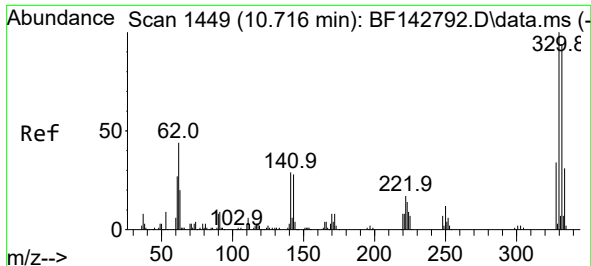
Tgt Ion: 82 Resp: 290911
 Ion Ratio Lower Upper
 82 100
 128 48.7 37.7 56.5
 54 55.8 45.7 68.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.916 min Scan# 1313
 Delta R.T. -0.006 min
 Lab File: BF142901.D
 Acq: 27 Jun 2025 19:10

Tgt Ion:164 Resp: 89932
 Ion Ratio Lower Upper
 164 100
 162 100.6 81.8 122.8
 160 44.5 36.0 54.0

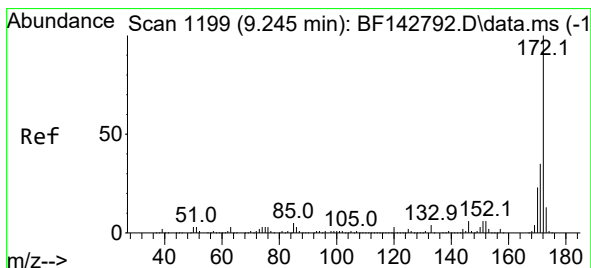
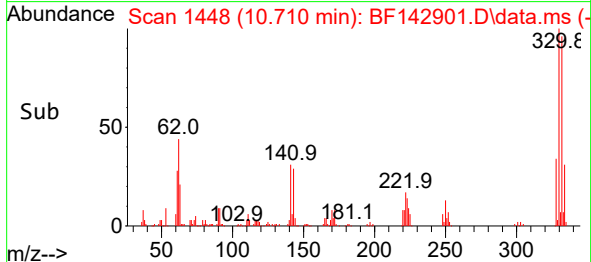
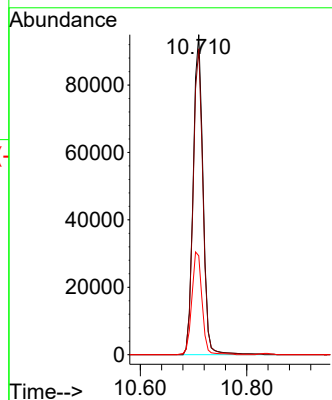
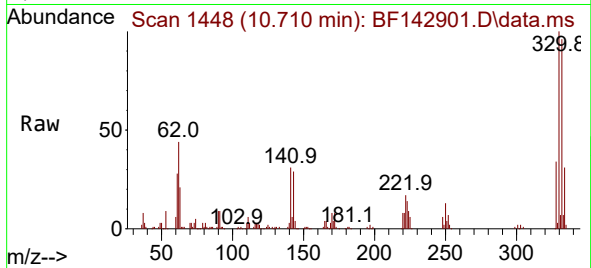




#42
2,4,6-Tribromophenol
Concen: 131.394 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

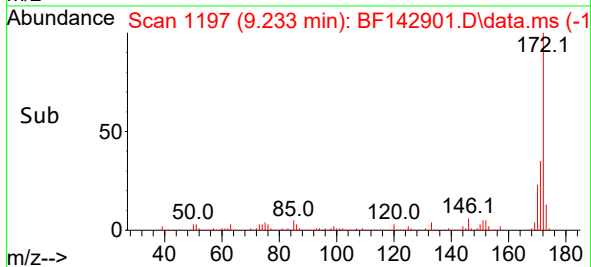
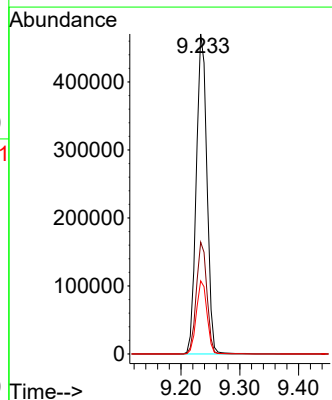
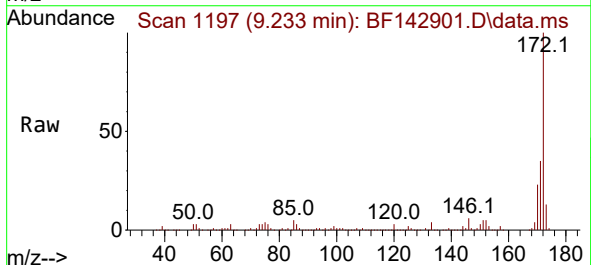
Instrument :
BNA_F
ClientSampleId :
72-11933

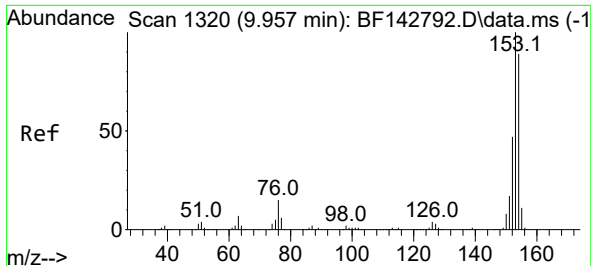
Tgt Ion:330 Resp: 121600
Ion Ratio Lower Upper
330 100
332 95.7 75.0 112.6
141 33.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 86.529 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

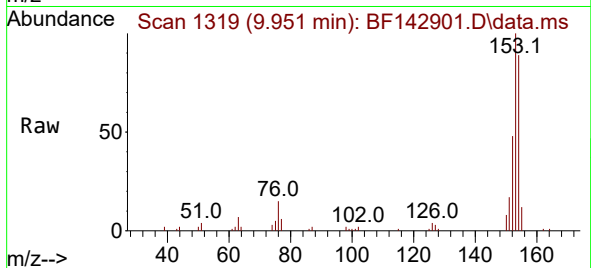
Tgt Ion:172 Resp: 592366
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.9 18.5 27.7



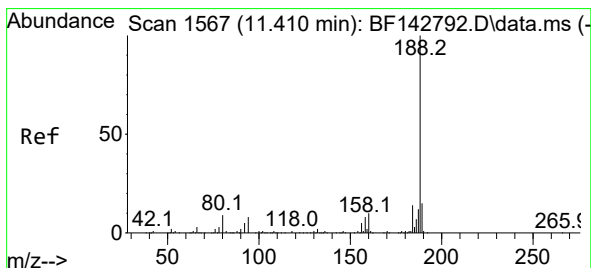
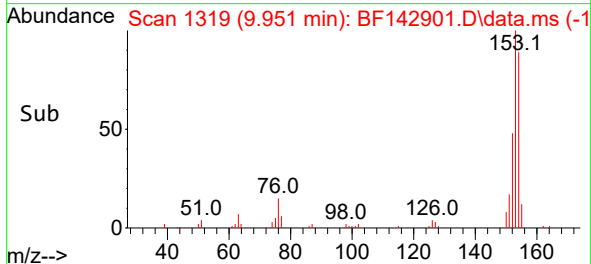
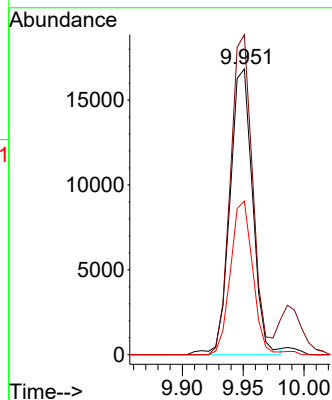


#52
Acenaphthene
Concen: 4.067 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Instrument :
BNA_F
ClientSampleId :
72-11933

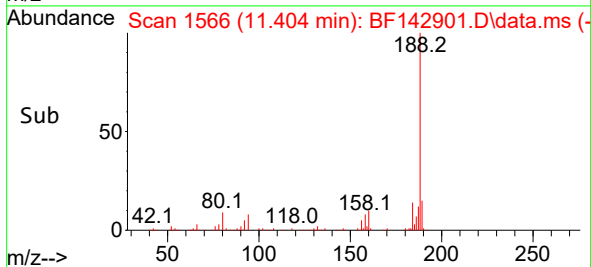
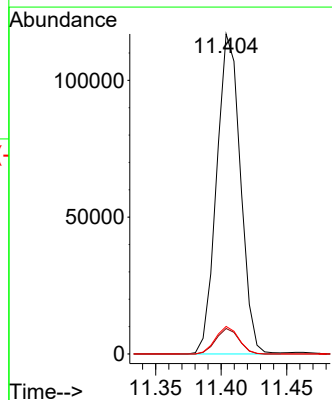
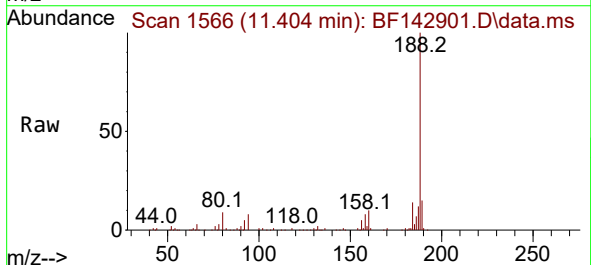


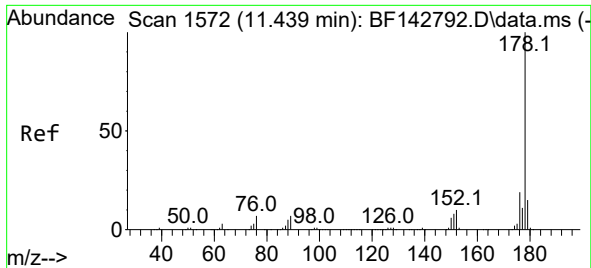
Tgt Ion:154 Resp: 21778
Ion Ratio Lower Upper
154 100
153 112.0 90.0 135.0
152 53.7 41.9 62.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

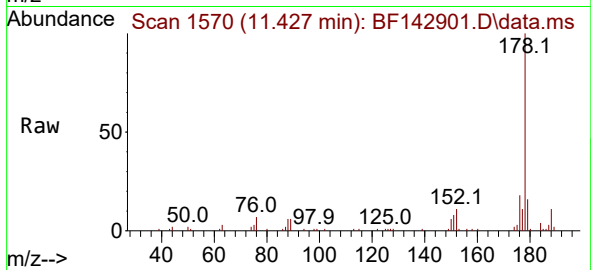
Tgt Ion:188 Resp: 147476
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.6 6.9 10.3



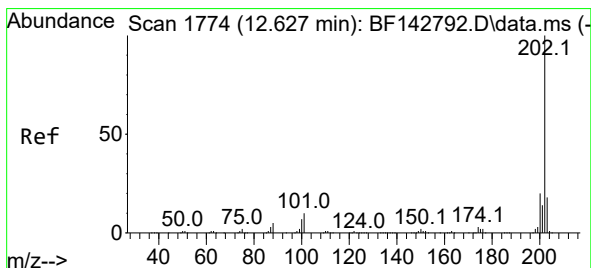
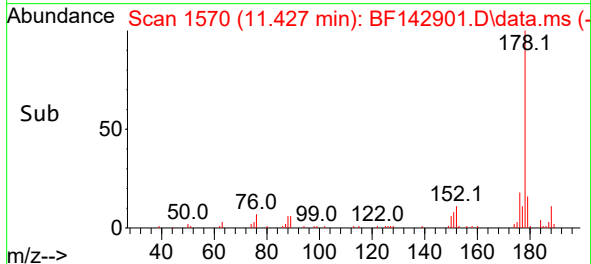
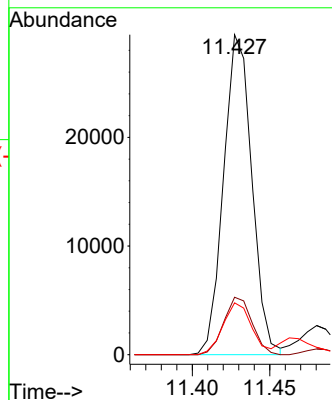


#71
Phenanthrene
Concen: 4.675 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Instrument :
BNA_F
ClientSampleId :
72-11933

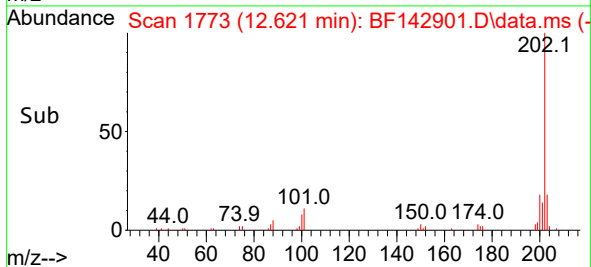
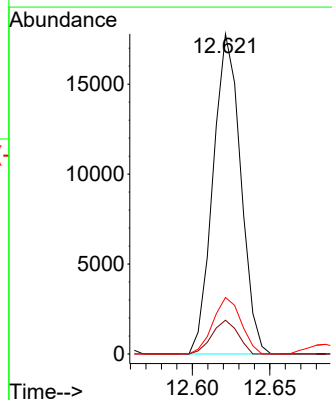
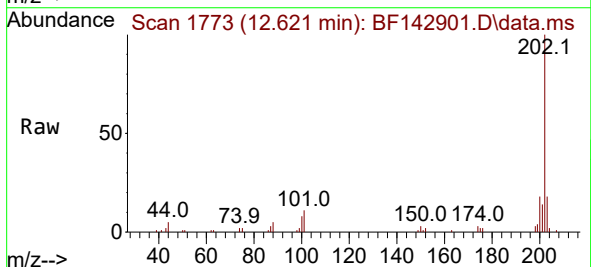


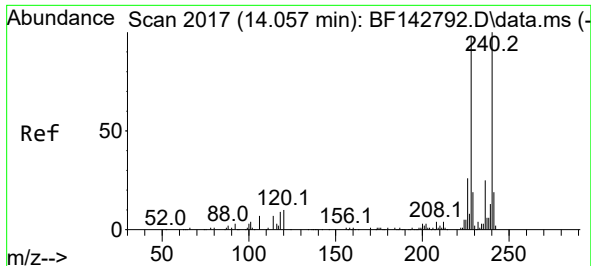
Tgt Ion:178 Resp: 37350
Ion Ratio Lower Upper
178 100
176 18.0 15.1 22.7
179 16.2 12.0 18.0



#75
Fluoranthene
Concen: 2.910 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Tgt Ion:202 Resp: 22066
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.7
203 17.6 0.0 37.5

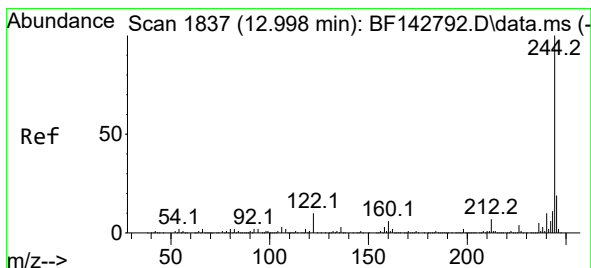
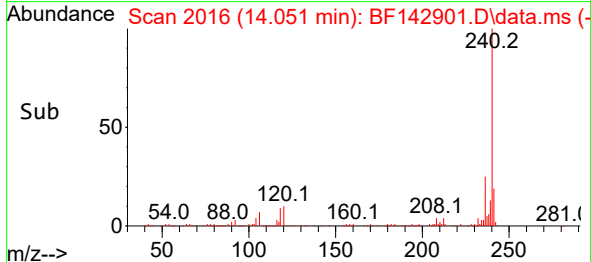
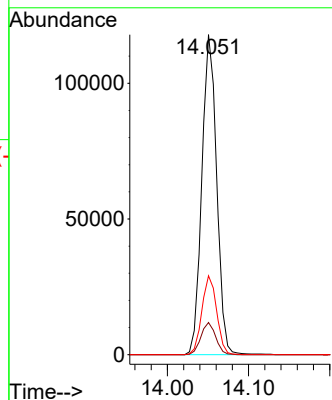
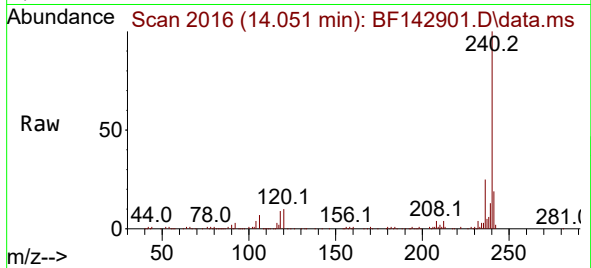




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

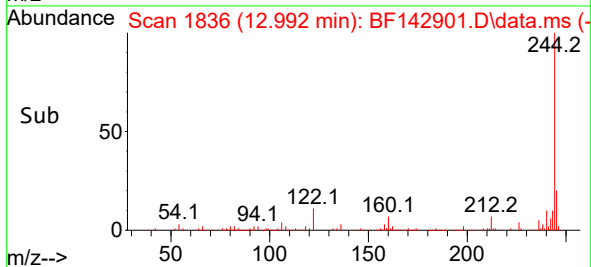
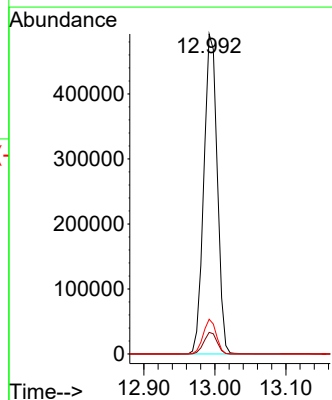
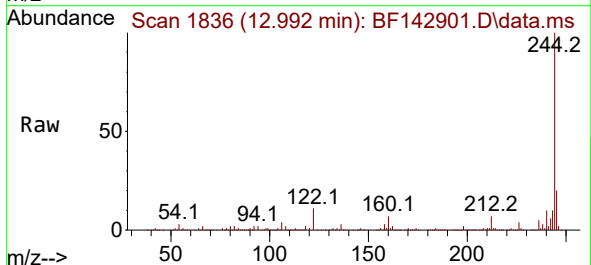
Instrument :
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72-11933

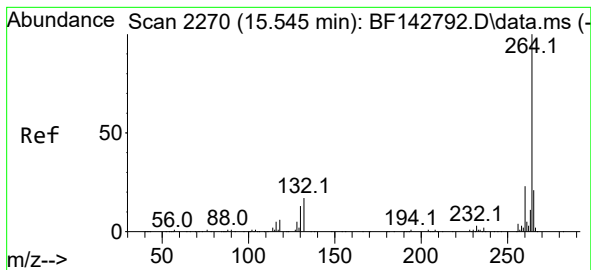
Tgt Ion:240 Resp: 149469
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.2
236 24.7 19.8 29.8



#79
Terphenyl-d14
Concen: 60.009 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Tgt Ion:244 Resp: 649160
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 10.9 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Instrument :
BNA_F
ClientSampleId :
72-11933

Tgt Ion:264 Resp: 103761
Ion Ratio Lower Upper
264 100
260 22.3 18.1 27.1
265 21.6 16.6 25.0

